

[KO Validated] ERK2 Rabbit Polyclonal Antibody



CAB11186

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

42kDa

Calculated MW:

36kDa/41kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene.

Immunogen information

Gene ID:

5594

Uniprot

P28482

Synonyms:

ERK; ERK-2; ERK2; ERT1; MAPK2; P42MAPK; PRKM1; PRKM2; p38;
p40; p41; p41mapk; p42-MAPK; MAPK1

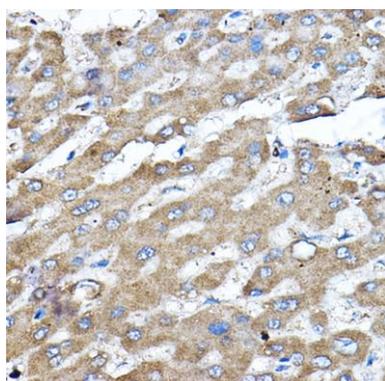
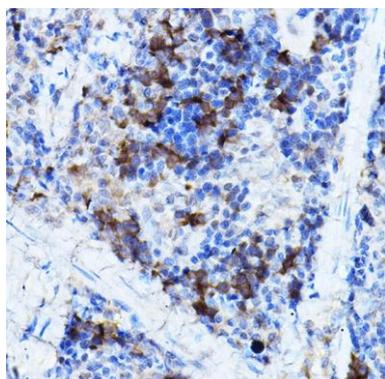
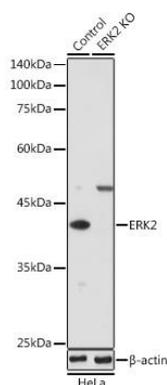
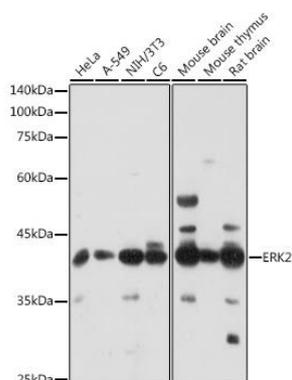
Immunogen:

A synthetic peptide corresponding to a sequence within amino acids 200-300 of human ERK2 (NP_620407.1).

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using ERK2 antibody (CAB11186) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 180s.

Western blot analysis of extracts from normal (control) and ERK2 knockout (KO) HeLa cells, using ERK2 antibody (CAB11186) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 180s.

Immunohistochemistry of paraffin-embedded rat spleen using [KO Validated] ERK2 Rabbit pAb (CAB11186) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded human liver using [KO Validated] ERK2 Rabbit pAb (CAB11186) at dilution of 1:100 (40x lens).